

In the Claims:

1. – 31. (cancelled)

32. (currently amended) An adhesive layer for medical patches or for transdermal therapeutic systems, said adhesive layer having a tackiness which is activated and/or increased by contact with moisture or by absorption of moisture, wherein said adhesive layer comprises at least one pressure-sensitive adhesive polymer and at least one component selected from the group consisting of polyethers and acid anhydrides including acids and salts of acid anhydrides.

33. (currently amended) The adhesive layer according to claim 32, wherein said polyethers are polyvinylalkyl ethers comprising polyvinyl methyl ether, polyvinyl ethyl ether, polyvinyl isobutyl ether and polyvinyl cyclohexyl ether.

34. (currently amended) The adhesive layer according to claim 32, wherein said acid anhydrides comprise polymethyl vinyl-ether-polymaleic acid anhydride copolymers.

35. (currently amended) The adhesive layer according to claim 32, wherein said at least one pressure-sensitive adhesive polymer is selected from the group consisting of polyacrylates, polyisobutylenes, polyisoprenes and silicone adhesives.

36. (currently amended) An adhesive layer for medical patches or for transdermal therapeutic systems, said adhesive having a tackiness which is activated and/or increased by contact with moisture or by absorption of moisture, wherein said adhesive comprises at least one pressure-sensitive adhesive polymer and at least one cellulose derivative.

37. (currently amended) The adhesive layer according to claim 36, wherein said at least one cellulose derivative comprises hydroxypropyl methyl cellulose, hydroxypropyl

cellulose, sodium carboxymethyl cellulose, methyl cellulose, hydroxyethyl cellulose and hydroxypropyl ethyl cellulose.

38. (currently amended) The adhesive layer according to claim 36, wherein said at least one pressure-sensitive adhesive polymer is selected from the group consisting of polyacrylates, polyisobutylenes, polyisoprenes and silicone adhesives.

39. (new) The adhesive layer according to claim 32, wherein said layer is in a dried state.

40. (new) The adhesive layer according to claim 32, wherein said layer is a dried film.

41. (new) An adhesive composition for preparing an adhesive layer for medical patches or for transdermal therapeutic systems, said adhesive layer having a tackiness which is activated and/or increased by contact with moisture or by absorption of moisture, wherein said adhesive layer comprises at least one pressure-sensitive adhesive polymer and at least one component selected from the group consisting of polyethers and acid anhydrides including acids and salts of acid anhydrides, said adhesive composition comprising:

at least one component selected from the group consisting of polyvinyl alcohols, cellulose derivatives, polyethers and acid anhydrides including acids and salts of acid anhydrides; and

at least one film-forming polymer selected from the group of non-pressure-sensitive adhesive polyacrylates, and/or at least one pressure-sensitive adhesive polymer; and

a solvent portion.

42. (new) The adhesive composition according to claim 41, wherein the solvent of said solvent portion is a polar solvent.

43. (new) The adhesive composition according to claim 42, wherein the solvent of said solvent portion is selected from the group consisting of water, aqueous solvent mixtures, alcohols and esters.

44. (new) The adhesive composition according to claim 41, wherein the solvent of said solvent portion comprises hexane and ethyl acetate.

45. (new) The adhesive composition according to claim 41, wherein said composition comprises polyvinylalcohol, at least one polymethyl vinyl ether-polymaleic acid anhydride copolymer, wherein the portion of polyvinyl alcohol is 1 – 80%-wt. relative to the sum of said two polymer components.

46. (new) The adhesive composition according to claim 45, wherein the solvent of said solvent portion is water.